

Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat	2006	2.0L (BPY)	6 Spd. Auto (HRN, JUD)	3C_6E000001	3C_6E209999
Passat	2006	2.0L (BPY)	6 Spd. Auto (HRN, JUD)	3C_6P000001	3C_6P194599
Passat Wagon	2007	2.0L (BPY)	6 Spd. Auto (HRN, JUD)	3C_7E000001	3C_7E008099

Condition

Update Programming, TCM Software Update and Valve Body Replacement for Harsh Up/Down Shift from Transmission when Cold; TCM Software Update for Harsh 5-4 Downshift After Extended Highway / Long Distance Driving

01 07 63 Sept. 6, 2007 2012810 Supersedes T. B. Group 01 number 07-41 dated May 2, 2007 due to additional 5-4 downshift software update.

Customer may experience harsh up shift in gears 1-2 and 2-3, or harsh down shift in gears 3-2 and 2-1. The symptom is most noticeable at transmission temperatures below 60 °C (140 °F).

Customer may experience harsh 5-4 downshift on off-ramp after extended highway / long distance driving.

Technical Background

For harsh 1-2-3 up / downshifts when cold:

Internal transmission pressure difference on solenoid valve -N283- during shifting.

Updated Transmission Control Module (TCM) software and updated transmission valve body addresses:

Harsh Up/Down Shift 1-2-3, 3-2-1.

Updated Transmission Control Module Software	
Part No.	Software
09G927750CJ	1135

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For harsh 5-4 downshift after extended highway driving:

Internal transmission pressure decrease in C1 clutch due to accumulated air in the C1 oil circuit. Software issue only. DO NOT REPLACE VALVE BODY FOR THIS ISSUE.

Updated Transmission Control Module (TCM) software addresses:

Harsh Down Shift 5-4

Updated Transmission Control Module Software	
Part No.	Software
09G927750CJ	1135

Production Solution

Updated transmission valve body and transmission control module software.

Service

Check the TCM software level using the VAS 5051/5052.



Tip:

If the update programming button does not appear, the latest version has already been installed.



Note:

If software level is equal to or above updated software level noted in Updated Transmission Control Module Software table, DO NOT continue with this technical bulletin, contact technical assistance by selecting the "Technical Assistance" tab in ElsaWeb and follow the instructions to obtain a 6 digit pin.

If TCM software level is below updated software level noted in Updated Transmission Control Module Software table:

Install updated transmission valve body Part No. 09G325039B, See Repair Manual Group 38 AUTOMATIC TRANSMISSION, 6spd. Automatic Transmission.

Update TCM program following the procedure below.

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Transmission "Update - Programming" (flashing), Performing



Tip:

When performing the update programming procedure, ALL DTCs for all systems are erased. DTCs linked to Guided Fault Finding function tests will be lost. Therefore, always address stored DTCs for Customer concerns unrelated to the update programming procedure first.

The following "Update - Programming" (flashing) process may overwrite any "TUNED" ECM/TCM programming. A "TUNED" ECM/TCM is described as any ECM/TCM altered so as to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc.

If you encounter a vehicle with a "Tuned" TCM, prior to performing the "Update - Programming" (flashing) procedure:

Your Dealership should place the vehicle owner on notice in writing, that their TCM was found to have been tuned, and that any damage caused by the tuning of the TCM (including any adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties.

For any repair requested by the owner under warranty or outside warranty that requires update programming, which will automatically wipe out the " Tuning" program, your Dealership should advise the owner of the above and get Owner's written consent (see attached Control Module Tuning form) to the update programming procedure.

Tool requirements

VAS 5051 or VAS 5052 (with Base CD V.11.00 and the Brand CD V.11.79.01 or higher).

"Update - Programming" (flashing) CD - Literature Number: PASSSW1135.



Tip:

Additional copies of the "Update - Programming" CD (Literature Number PASSSW1135) may be ordered from the Volkswagen Technical Literature Ordering Center at www.vw.resolve.com, or by calling 1-800-544-8021 from 8:00 a.m. to 8:00 p.m. EST Monday through Friday. This number can be dialed in both the United States and Canada.

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Vehicle requirements

Gear selector must be in position "P".

MUST have minimum no-load charge of 12.5V (failure to maintain voltage during update process can lead to ECM/TCM failure) (use an approved battery charger INC940 to maintain battery voltage).

VAS 5051: connected to vehicle and to 110V AC Power supply at all times during procedure.

VAS 5052: connected to vehicle with battery voltage requirements met.

Any appliances with high electromagnetic radiation (i.e. mobile phones) switched OFF.

When performing the update programming procedure, ALL DTCs for all systems are erased.

DTCs linked to Guided Fault Finding function tests will be lost. Therefore, always address stored DTCs for Customer concerns unrelated to the update programming procedure first.



Note:

Non-observance of the following points may lead to TCM failure! VAS 5051 or VAS 5052 must always be connected to the approved power supply at the approved voltages. Under no circumstances should the power supply be interrupted or the diagnostic connector unplugged during the update programming procedure. Any appliances with high electromagnetic radiation (i.e. mobile phones) must be switched OFF.

Reprogram TCM with CD - Literature Number: PASSSW1135



Tip:

Update programming is not possible when an EEPROM fault is active.

Before programming update:

Delete the fault memory in the transmission control module.

Programming starts by pressing the "Update Programming" button and following the on screen prompts.



Note:

Once update programming begins, on NO occasion should the Cancel button be selected.

Press the "Update Programming" button.



Tip:

Once update programming is complete, switch ignition OFF for 30 seconds.

After a minimum of 30 seconds, switch ignition ON.

It is recommended to use 1001- Compiling Services prompt to clear faults stored in various control modules.

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! Note:

If the problem still occurs after the update programming is complete, contact technical assistance by selecting the "Technical Assistance" tab in ElsaWeb and follow the instructions to obtain a 6 digit pin.

Warranty

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:	
Claim Type:	Use applicable Claim Type**
Part Identifier:	3877
Damage Code:	3877 10 ___ * 2
Labor Operation: Valve Body Replacement	38771900 = 130 TU
Labor Operation: Update Programming	37302599 = 30 TU
Diagnostic Time:	No Additional Diagnostic Time Allowed
Claim Comment: Input "As per Technical Bulletin 2012810" in comment section of Warranty Claim.	

* Code per warranty vendor code policy.

** Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.

Required Parts and Tools

Description	Part No:	Quantity
CD	PASSSW1135	1
Valve Body	09G325039B	1

No Special Tools required.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.





**OWNER INFORMATION ABOUT CONTROL MODULE TUNING*
ACKNOWLEDGEMENT AND AUTHORIZATION FOR
REPROGRAMMING (REFLASHING) OF CONTROL MODULE(S)**

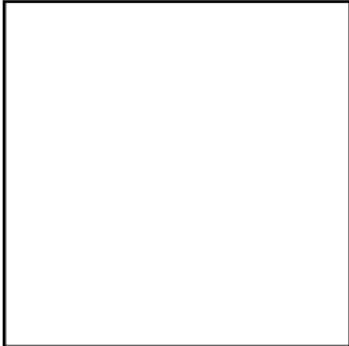
**) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc..*

Date: _____

Dealer Number: _____

Vehicle Identification Number: _____

Repair Order Number: _____



Dealer stamp

I _____, owner or driver of the above identified Volkswagen, confirm:

"Tuning" as described above (especially power increasing modifications) has NOT been performed on my vehicle.

"Tuning" as described above has been performed on my vehicle and the following components were modified or installed:

TUNING was performed by (Please provide Company name and telephone number, if you wish us to contact them):

I understand that if my Control Module is determined to have been tuned, any damage caused by the tuning of the Control Module (including adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties.

I am permitting an authorized Volkswagen Dealer to reflash (update) my Control Module, and by doing so, I understand that this process will automatically overwrite (destroy) and permanently delete any tuning program that was previously installed on the Control Module of my Volkswagen vehicle.

By signing below, I fully acknowledge and understand that the tuning program will not be restored and Volkswagen of America, Inc., will not be liable in any way for the loss of tuning data.

Signature of Customer

